

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070092.D
 Acq On : 17 Aug 2021 17:06
 Operator : VA/SY
 Sample : M3421-03
 Misc : 6.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966

Quant Time: Aug 18 03:07:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

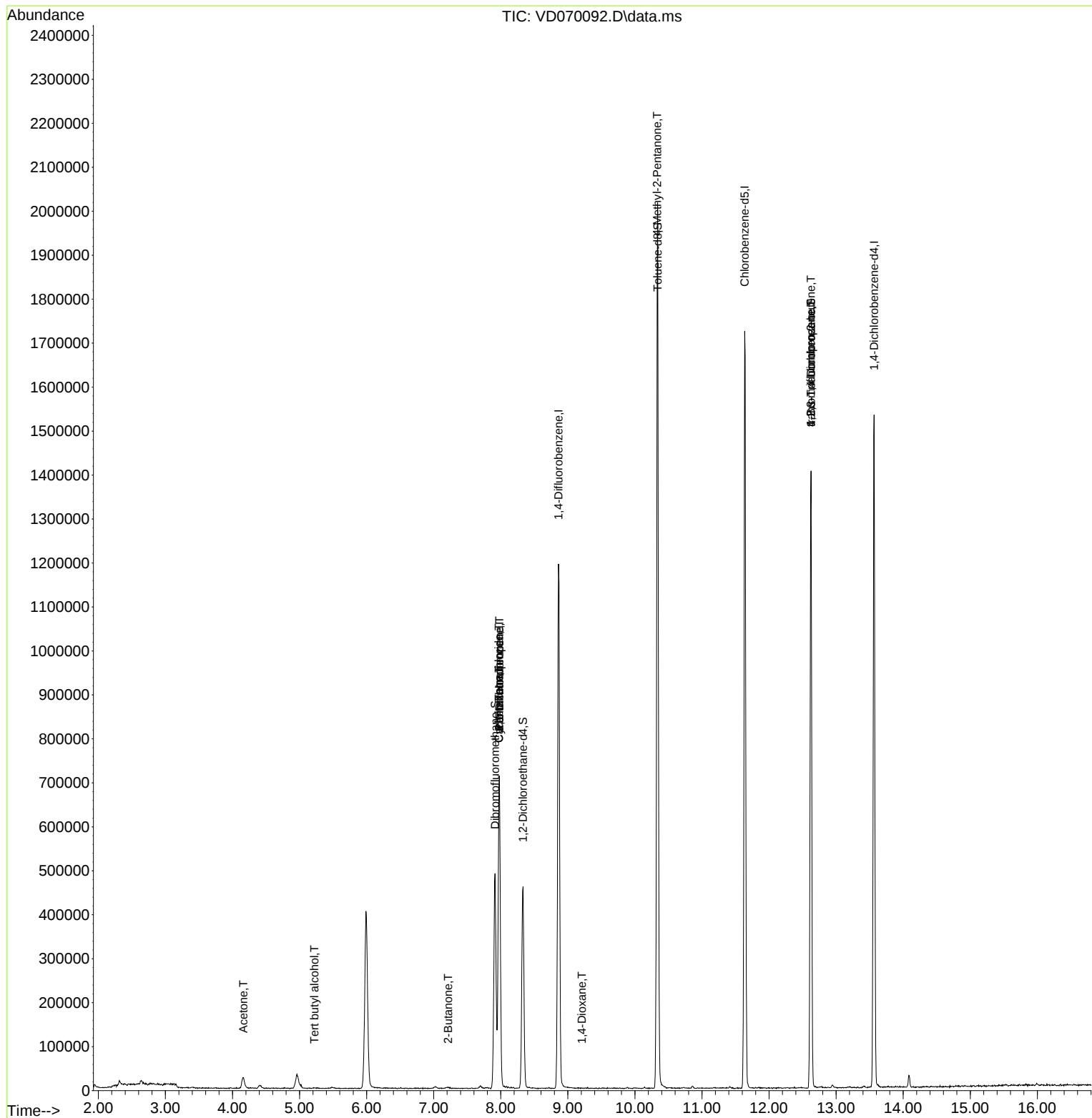
Internal Standards						
1) Pentafluorobenzene	7.979	168	506491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1038249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1003145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	408328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	359690	60.380	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.760%			
35) Dibromofluoromethane	7.914	113	356284	53.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.338	98	1354290	51.909	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.626	95	423574	49.292	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.580%			
Target Compounds						
3) Chloromethane	2.215	50	1044	Below Cal	#	62
5) Bromomethane	2.779	94	1982	Below Cal		94
11) Tert butyl alcohol	5.220	59	645	1.959	ug/l #	71
16) Acetone	4.162	43	43370	39.521	ug/l	98
20) Methylene Chloride	4.961	84	24743	Below Cal	#	93
25) 2-Butanone	7.214	43	2284	1.523	ug/l	89
31) Cyclohexane	7.973	56	11995	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	44464	3.981	ug/l #	49
38) Carbon Tetrachloride	7.973	117	53830	5.309	ug/l #	13
49) 1,4-Dioxane	9.208	88	71	1.596	ug/l #	23
51) 4-Methyl-2-Pentanone	10.332	43	5425	1.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	206901	49.964	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	206901	129.688	ug/l #	18

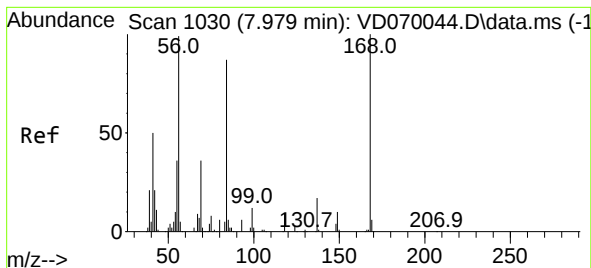
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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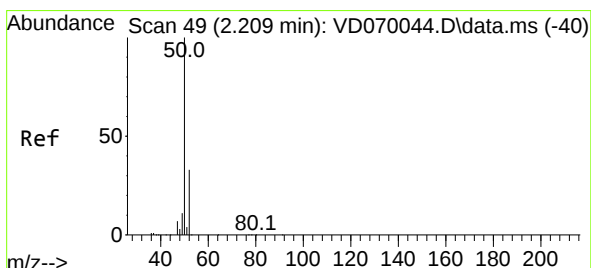
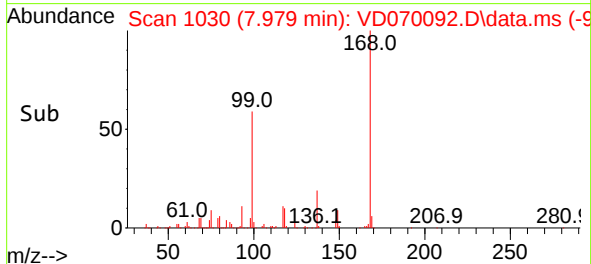
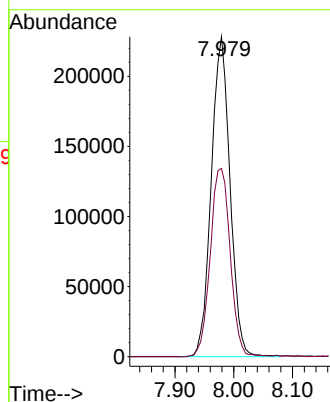
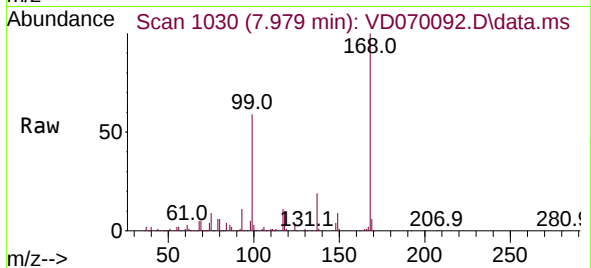




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

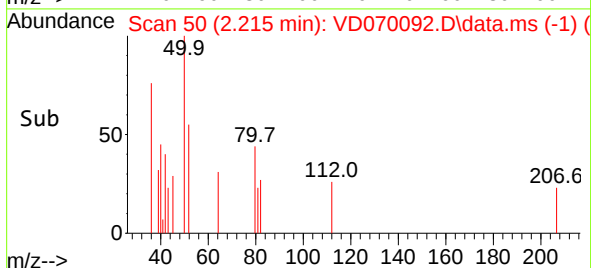
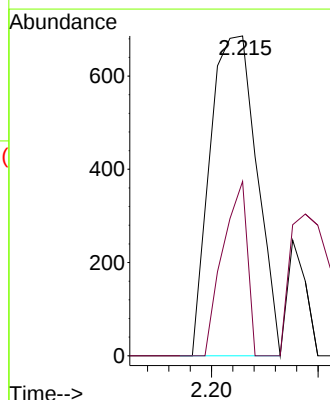
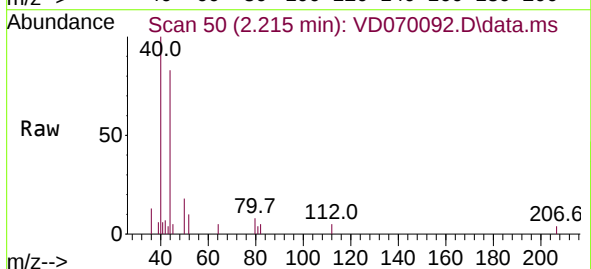
Instrument :
MSVOA_D
ClientSampleId :
72-11966

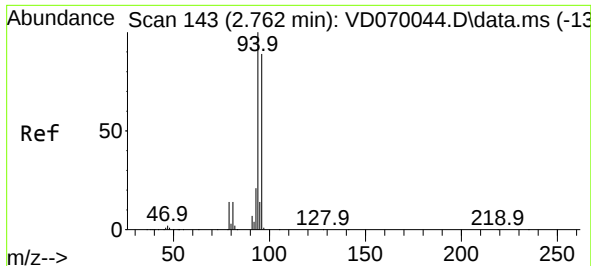
Tgt Ion:168 Resp: 506491
Ion Ratio Lower Upper
168 100
99 58.8 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 50 Resp: 1044
Ion Ratio Lower Upper
50 100
52 54.5 26.3 39.5#

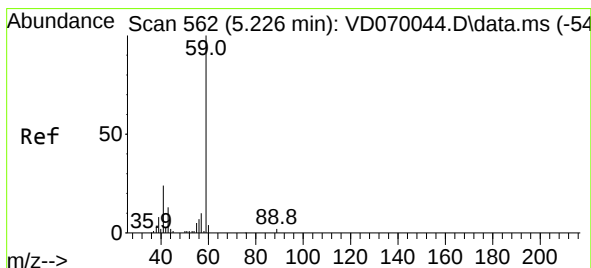
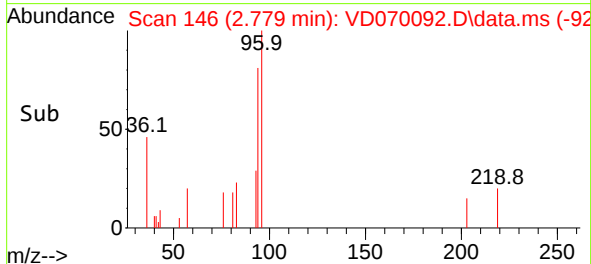
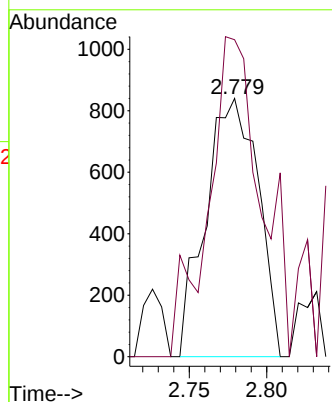
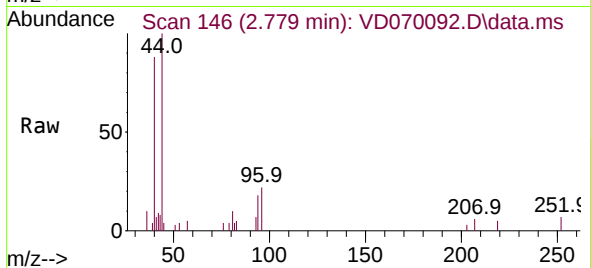




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

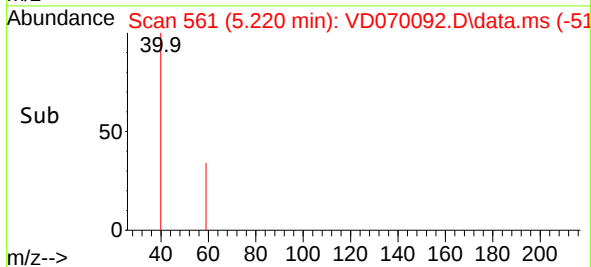
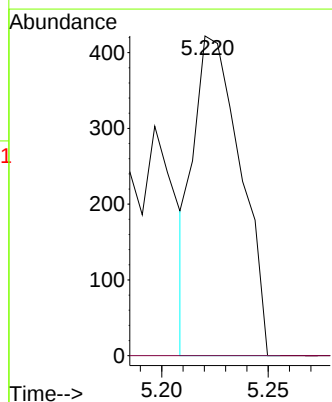
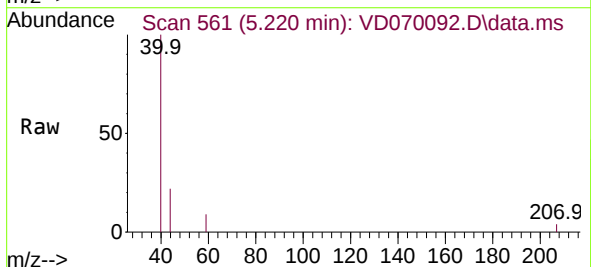
Instrument :
MSVOA_D
ClientSampleId :
72-11966

Tgt Ion: 94 Resp: 1982
Ion Ratio Lower Upper
94 100
96 83.5 70.9 106.3



#11
Tert butyl alcohol
Concen: 1.959 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 59 Resp: 645
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

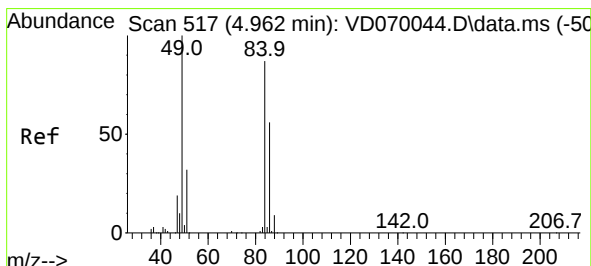
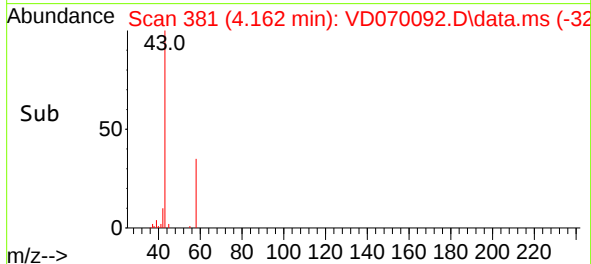
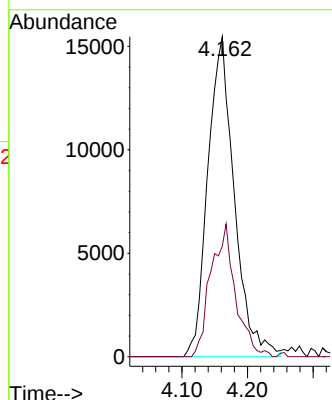
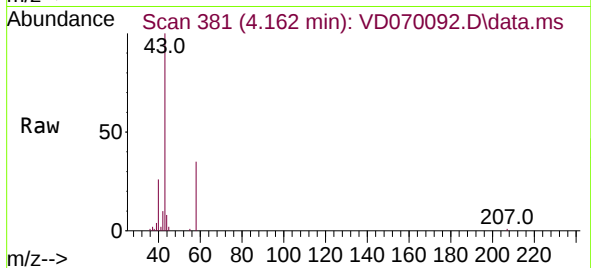




#16
Acetone
Concen: 39.521 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

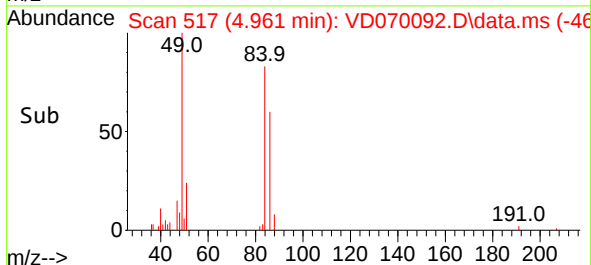
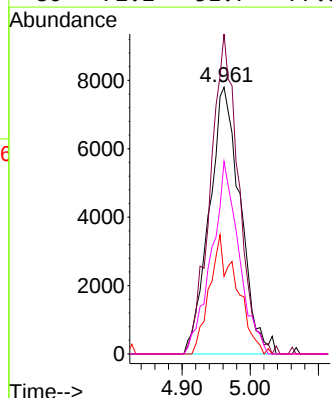
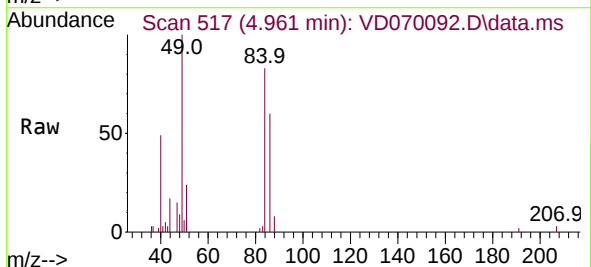
Instrument :
MSVOA_D
ClientSampleId :
72-11966

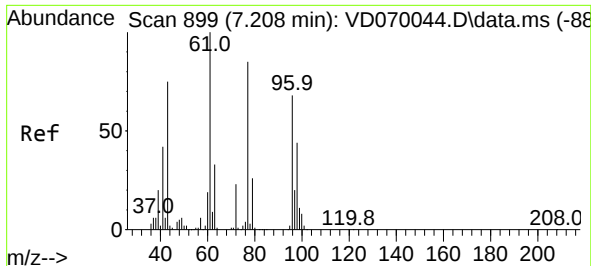
Tgt Ion: 43 Resp: 43370
Ion Ratio Lower Upper
43 100
58 34.5 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 84 Resp: 24743
Ion Ratio Lower Upper
84 100
49 120.0 92.5 138.7
51 29.1 29.7 44.5#
86 72.2 51.7 77.5

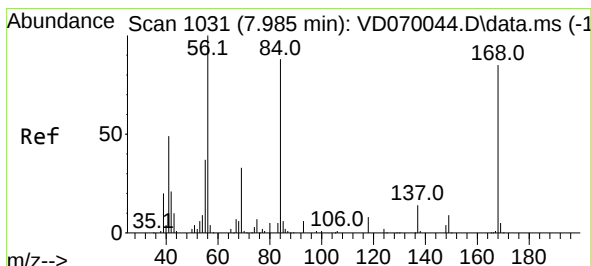
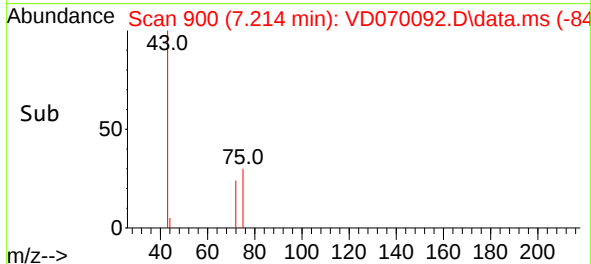
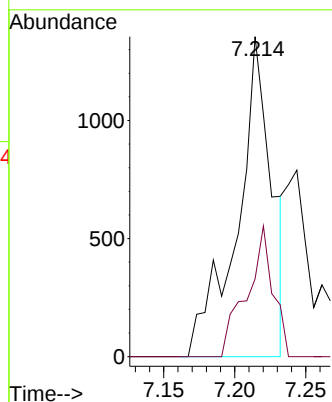
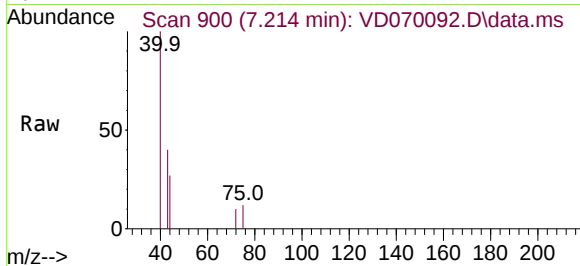




#25
2-Butanone
Concen: 1.523 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

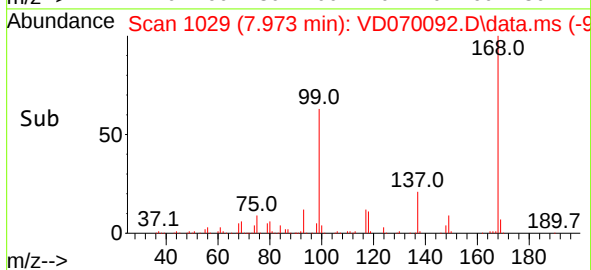
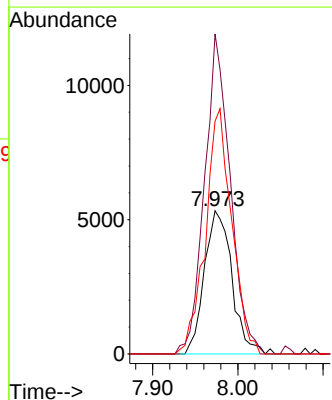
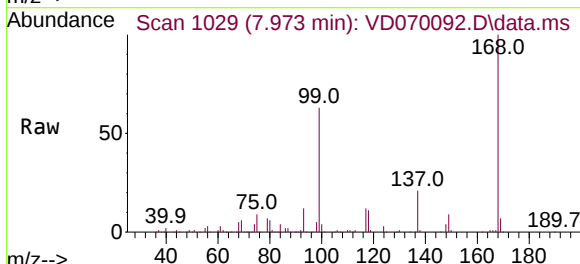
Instrument :
MSVOA_D
ClientSampleId :
72-11966

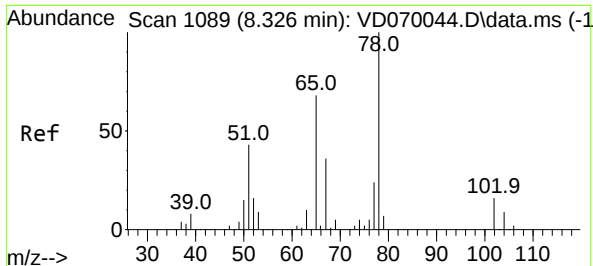
Tgt Ion: 43 Resp: 2284
Ion Ratio Lower Upper
43 100
72 24.3 24.2 36.4



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 56 Resp: 11995
Ion Ratio Lower Upper
56 100
69 223.4 26.7 40.1#
84 162.6 70.4 105.6#



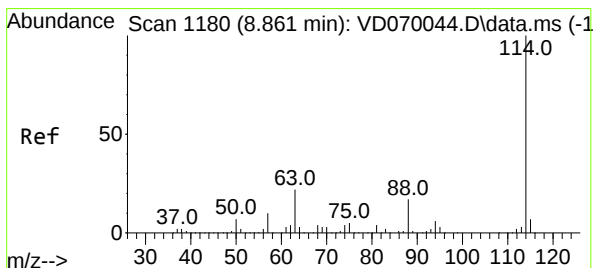
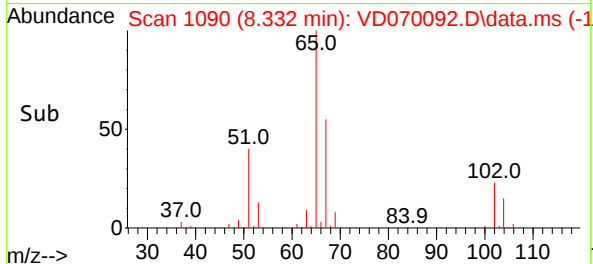
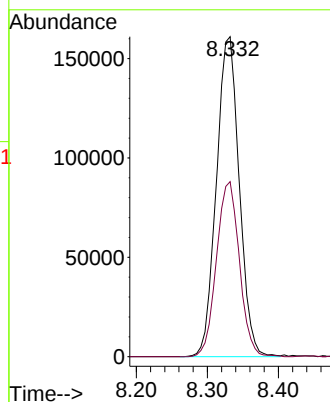
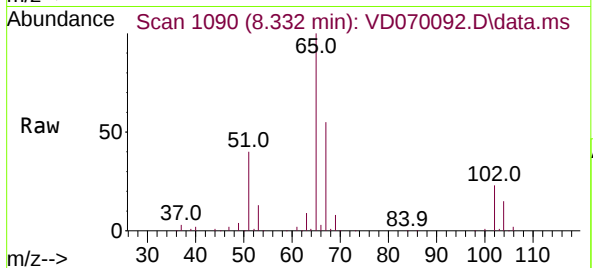


#33

1,2-Dichloroethane-d4
Concen: 60.380 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
72-11966

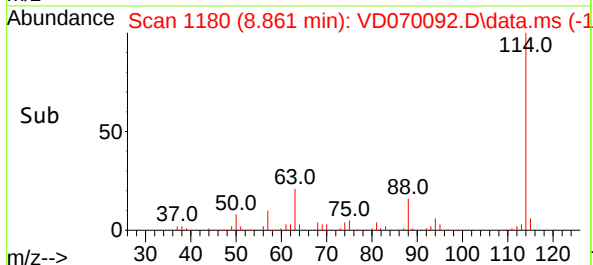
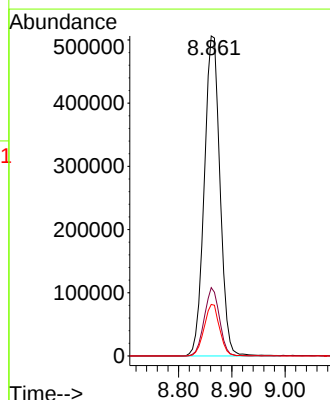
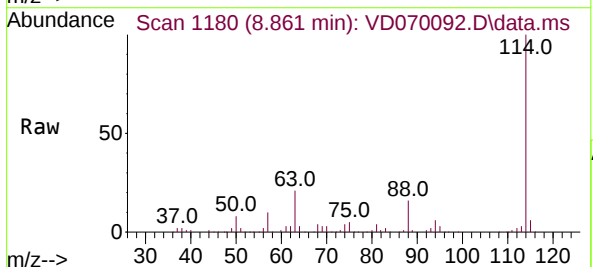
Tgt Ion: 65 Resp: 359690
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.8

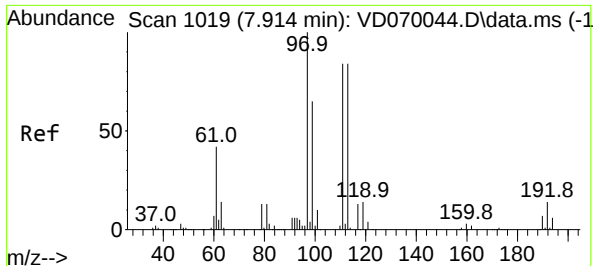


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 114 Resp: 1038249
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.6
88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.115 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070092.D

Acq: 17 Aug 2021 17:06

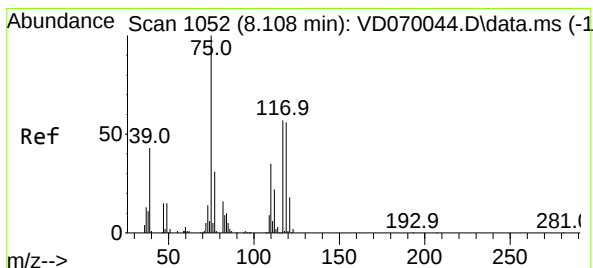
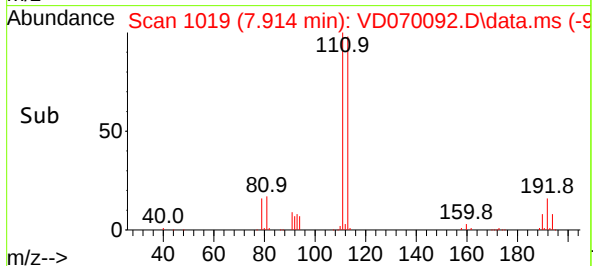
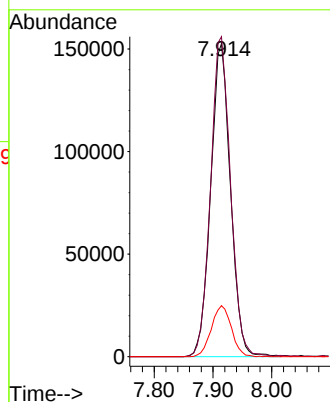
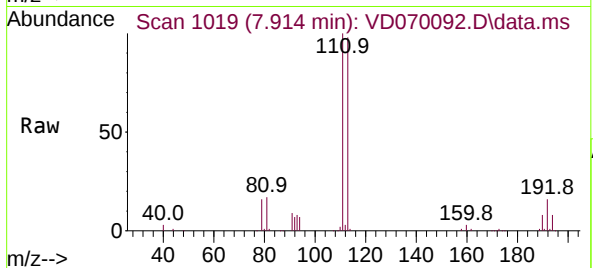
Tgt Ion:113 Resp: 356284

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

192 16.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 3.981 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070092.D

Acq: 17 Aug 2021 17:06

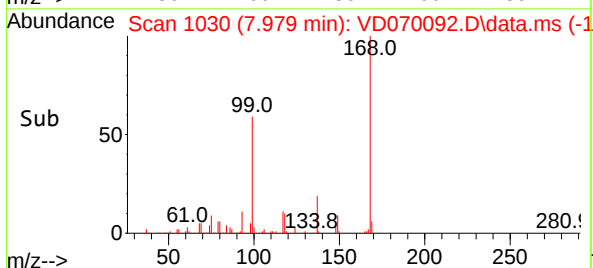
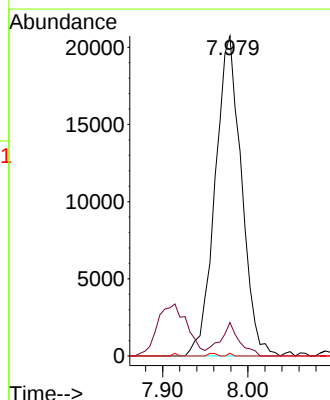
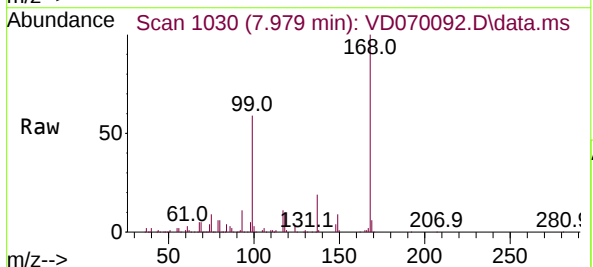
Tgt Ion: 75 Resp: 44464

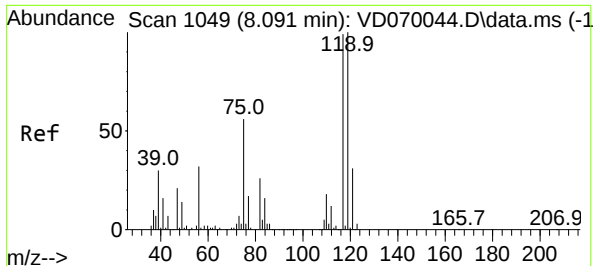
Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.7#

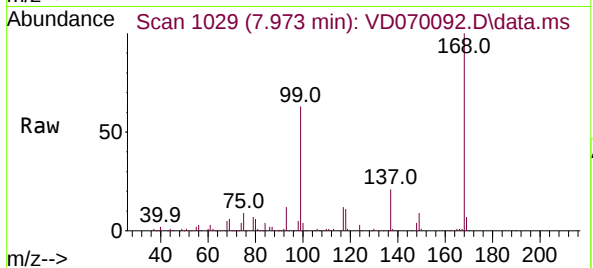
77 0.1 25.2 37.8#



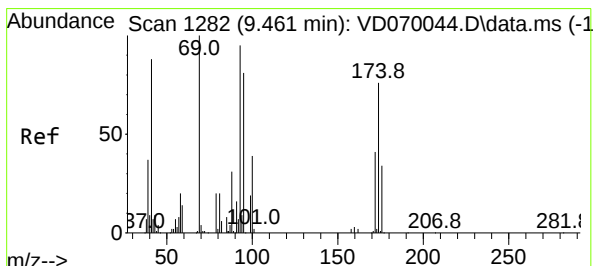
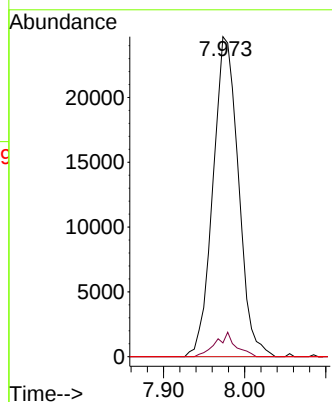
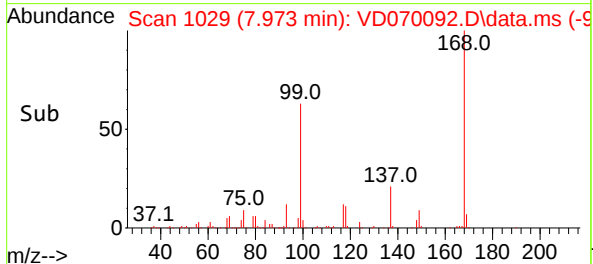


#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

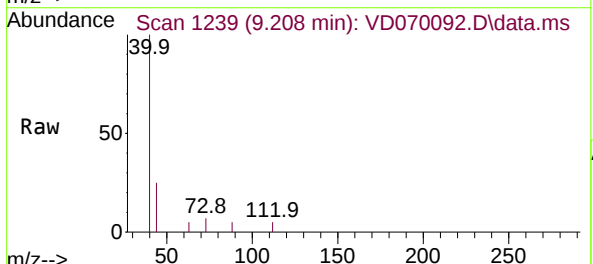
Instrument :
MSVOA_D
ClientSampleId :
72-11966



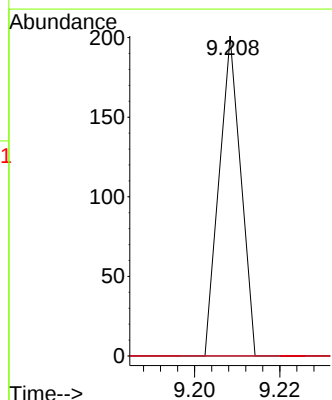
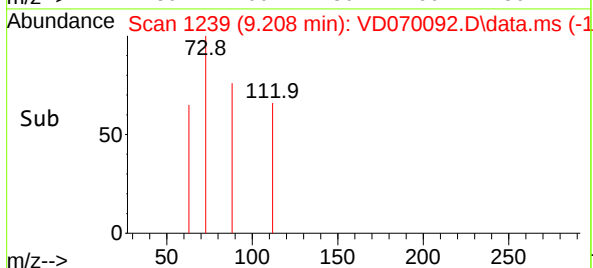
Tgt Ion:117 Resp: 53830
Ion Ratio Lower Upper
117 100
119 4.3 81.0 121.6#
121 0.0 25.0 37.6#

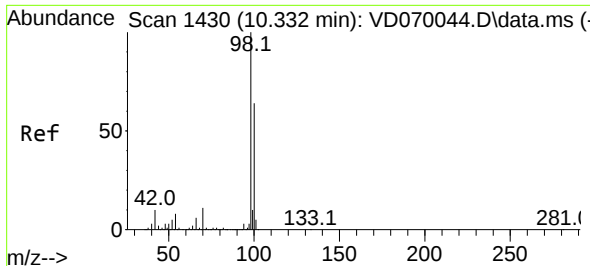


#49
1,4-Dioxane
Concen: 1.596 ug/l
RT: 9.208 min Scan# 1239
Delta R.T. -0.253 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06



Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 57.4 86.2#

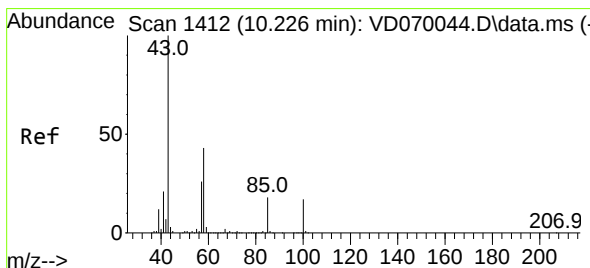
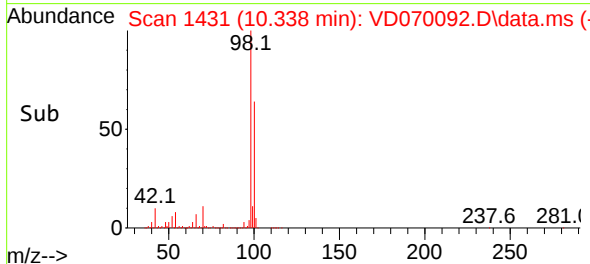
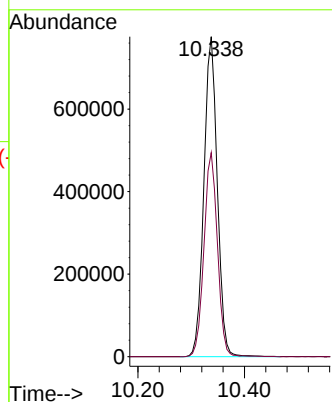
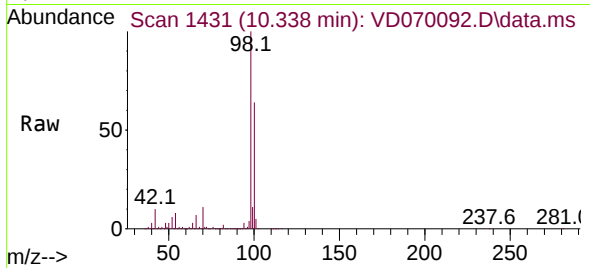




#50
Toluene-d8
Concen: 51.909 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

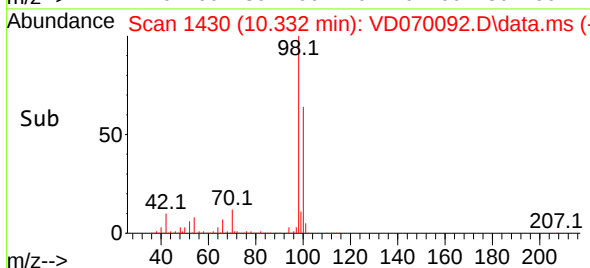
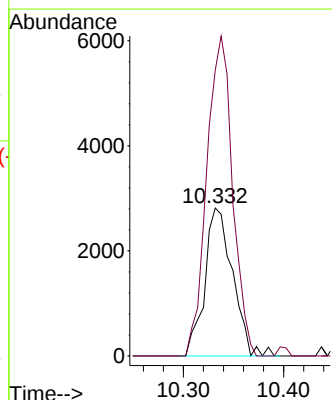
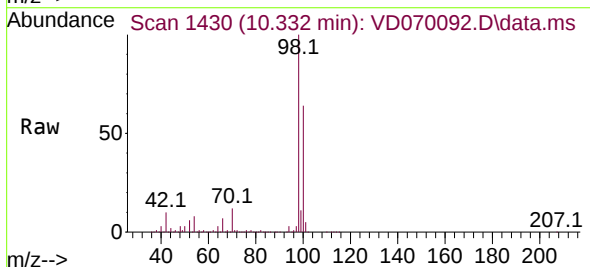
Instrument :
MSVOA_D
ClientSampleId :
72-11966

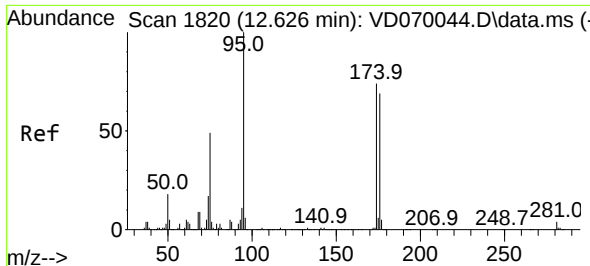
Tgt Ion: 98 Resp: 1354290
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.378 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 43 Resp: 5425
Ion Ratio Lower Upper
43 100
58 201.1 33.9 50.9#

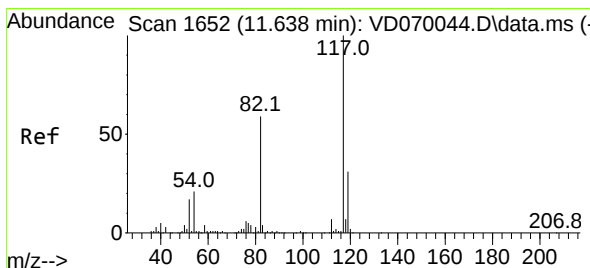
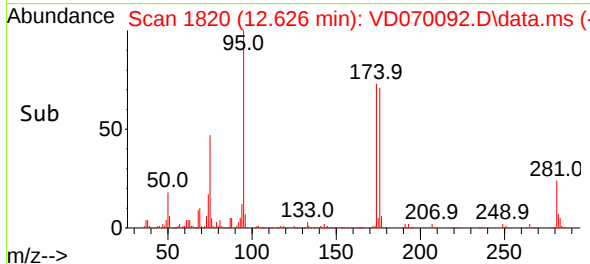
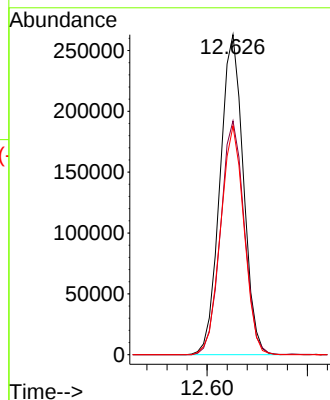
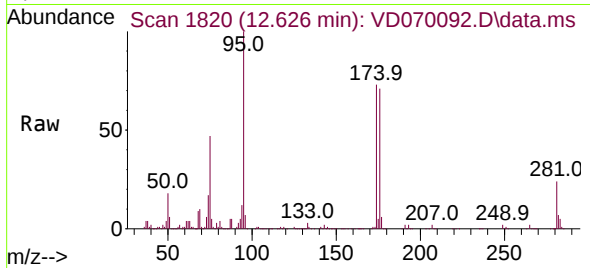




#62
4-Bromofluorobenzene
Concen: 49.292 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

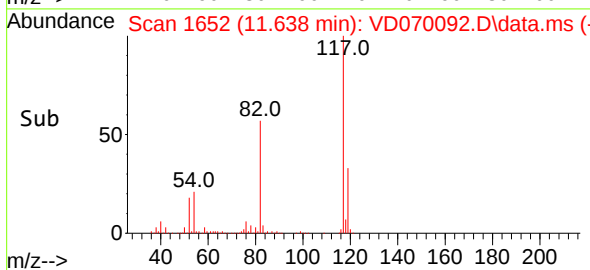
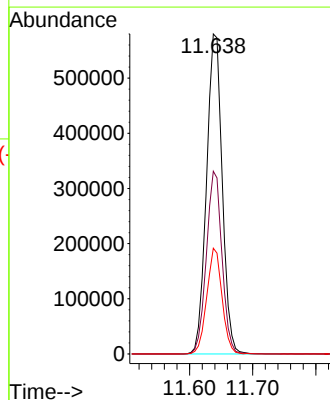
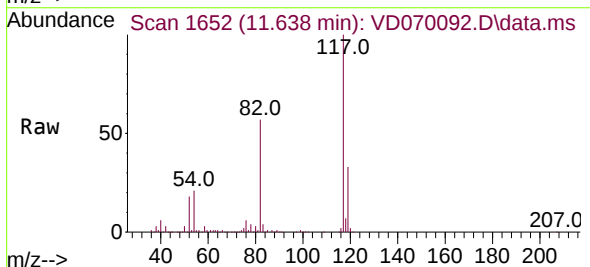
Instrument :
MSVOA_D
ClientSampleId :
72-11966

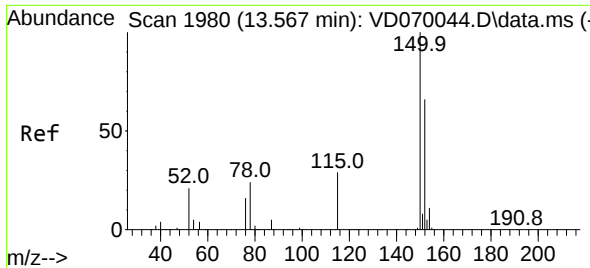
Tgt Ion: 95 Resp: 423574
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.6
176 71.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070092.D
Acq: 17 Aug 2021 17:06

Tgt Ion: 117 Resp: 1003145
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 33.0 25.1 37.7

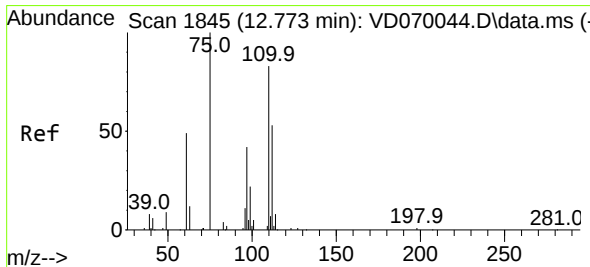
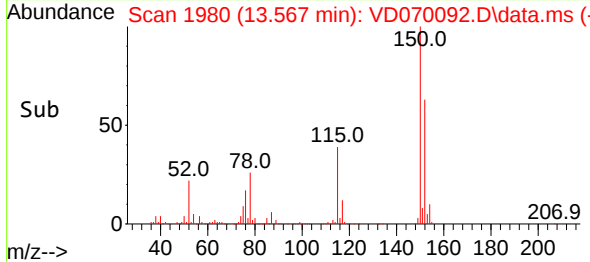
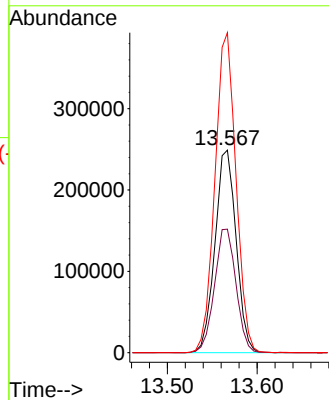
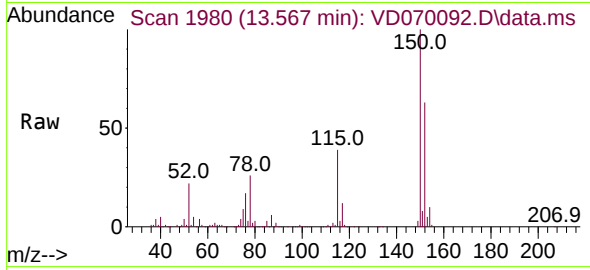




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070092.D
 Acq: 17 Aug 2021 17:06

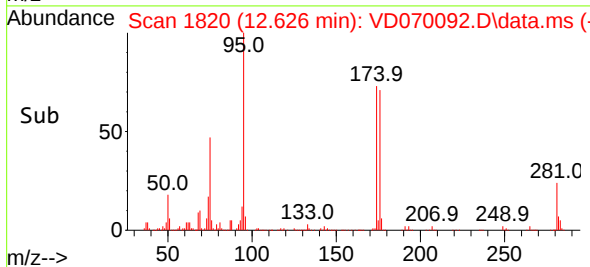
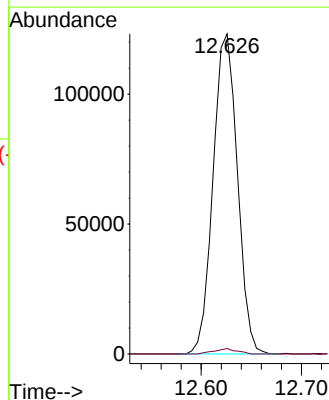
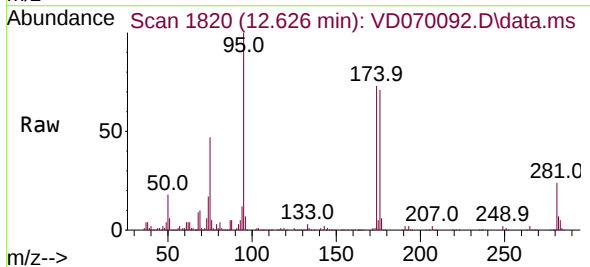
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966

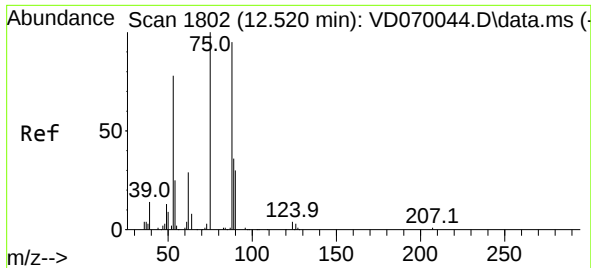
Tgt Ion:152 Resp: 408328
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.2 93.6
 150 156.7 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 49.964 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070092.D
 Acq: 17 Aug 2021 17:06

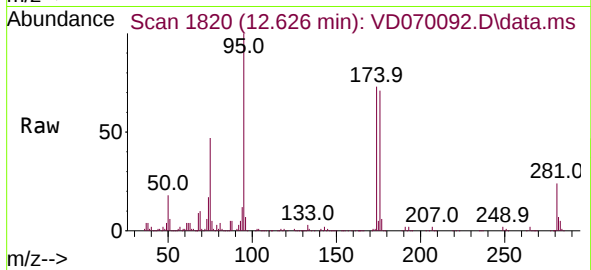
Tgt Ion: 75 Resp: 206901
 Ion Ratio Lower Upper
 75 100
 77 1.6 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.688 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070092.D
 Acq: 17 Aug 2021 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11966



Tgt Ion: 75 Resp: 206901
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.5 96.7#
 89 0.0 33.7 50.5#

